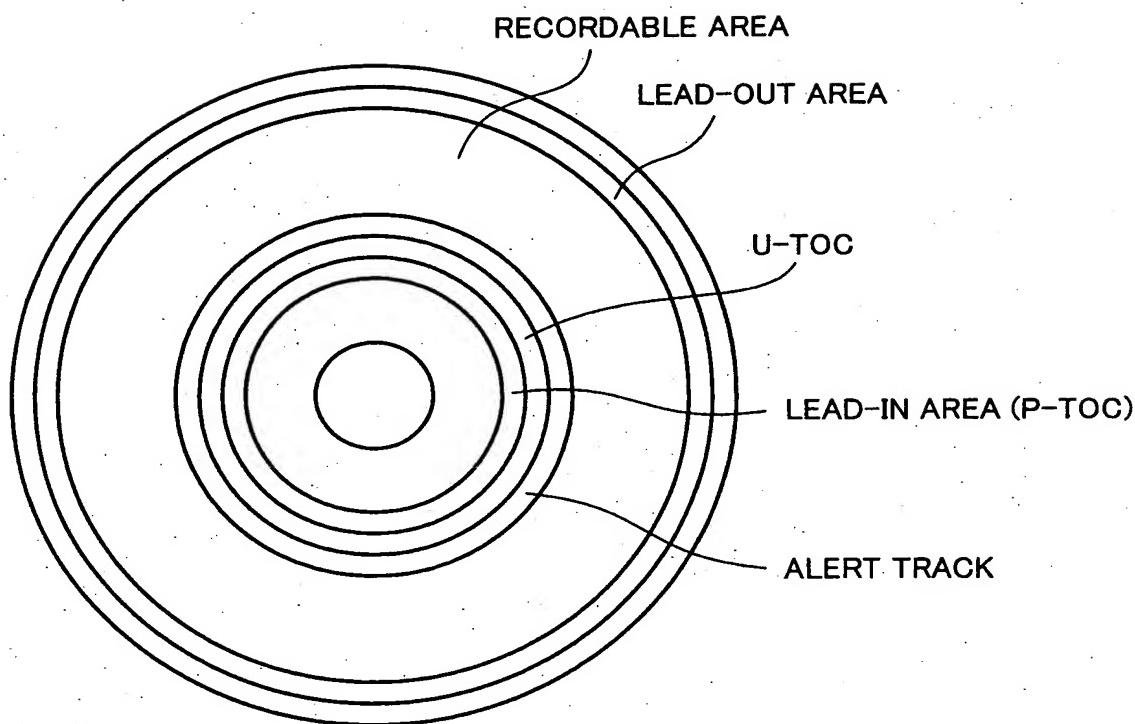


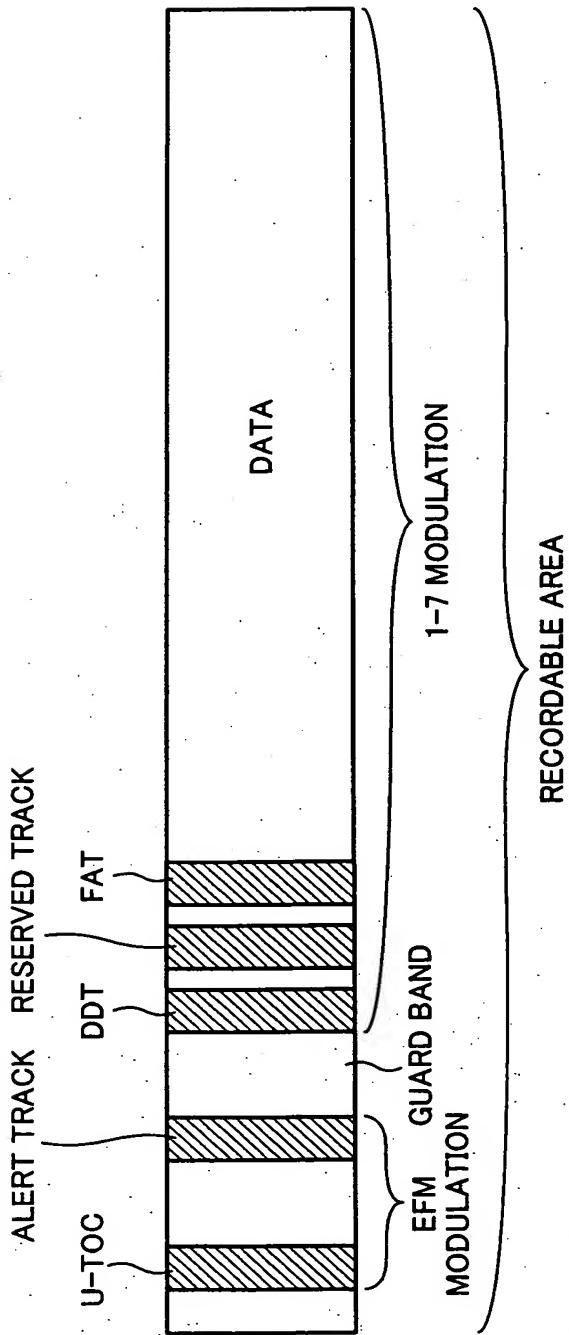
10/520253

Fig. 1



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Fig. 2



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Fig. 3A

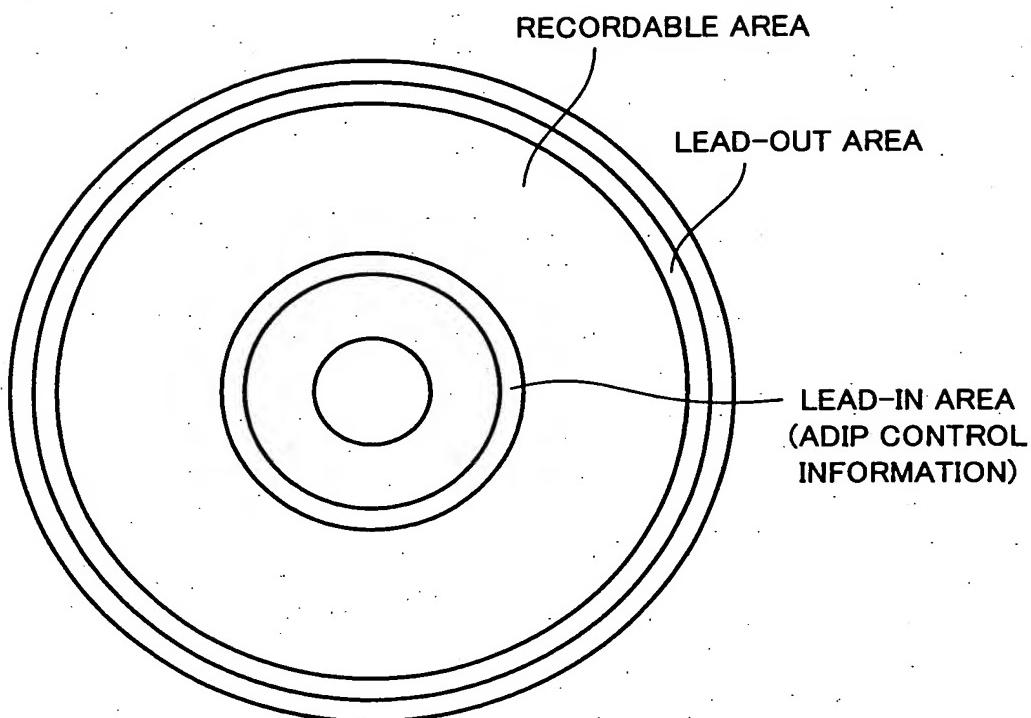
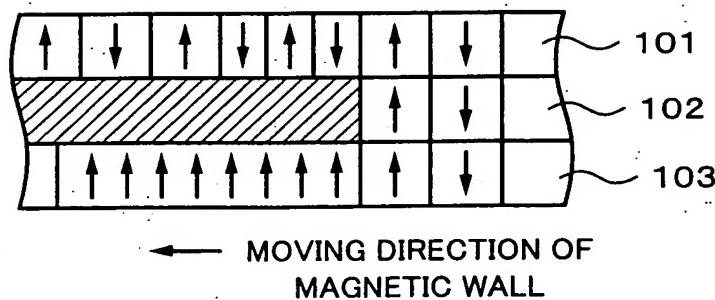


Fig. 3B



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Fig. 4

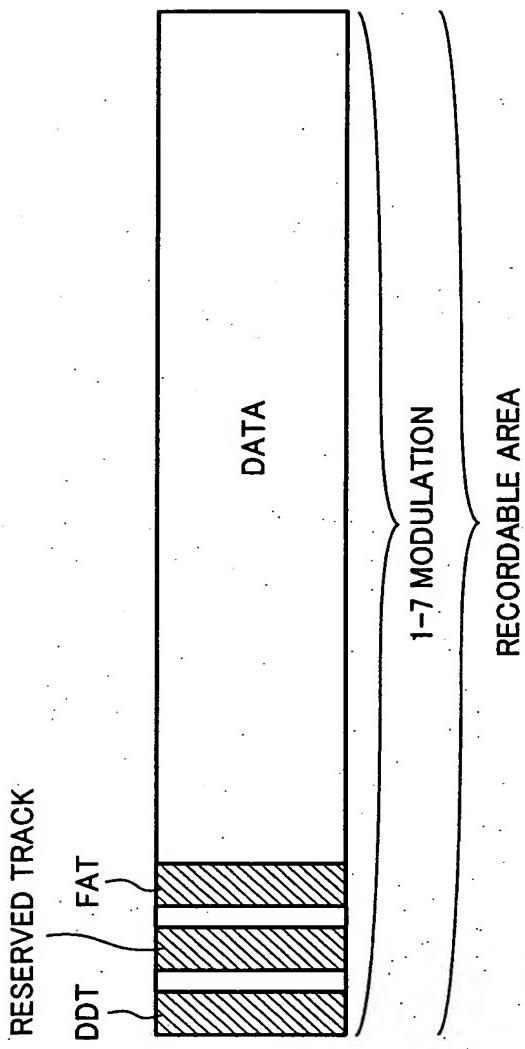
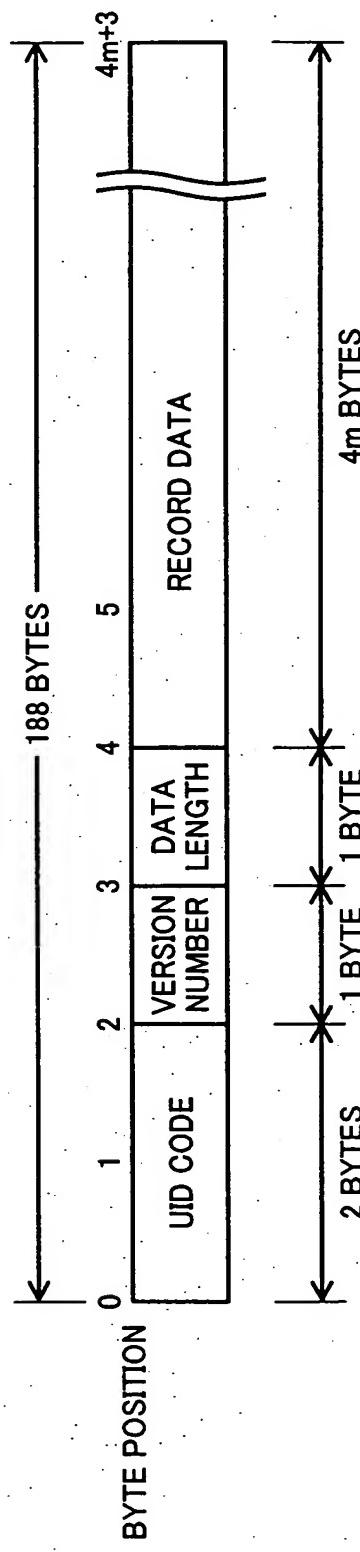


Fig. 5



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Fig. 6

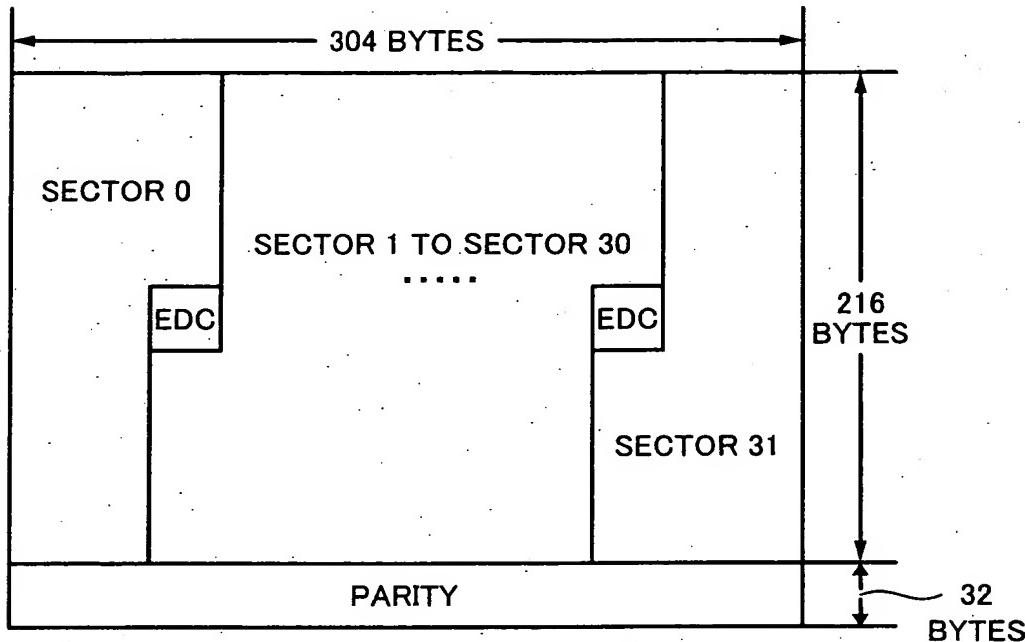


Fig. 7

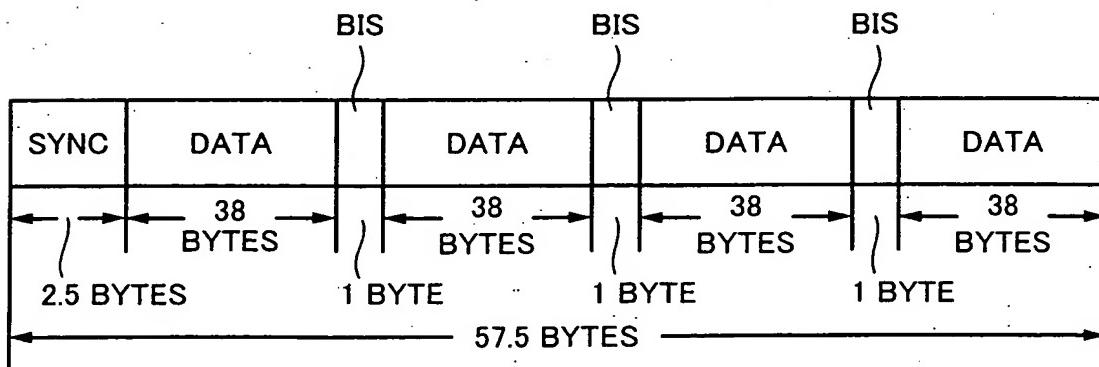


Fig. 8

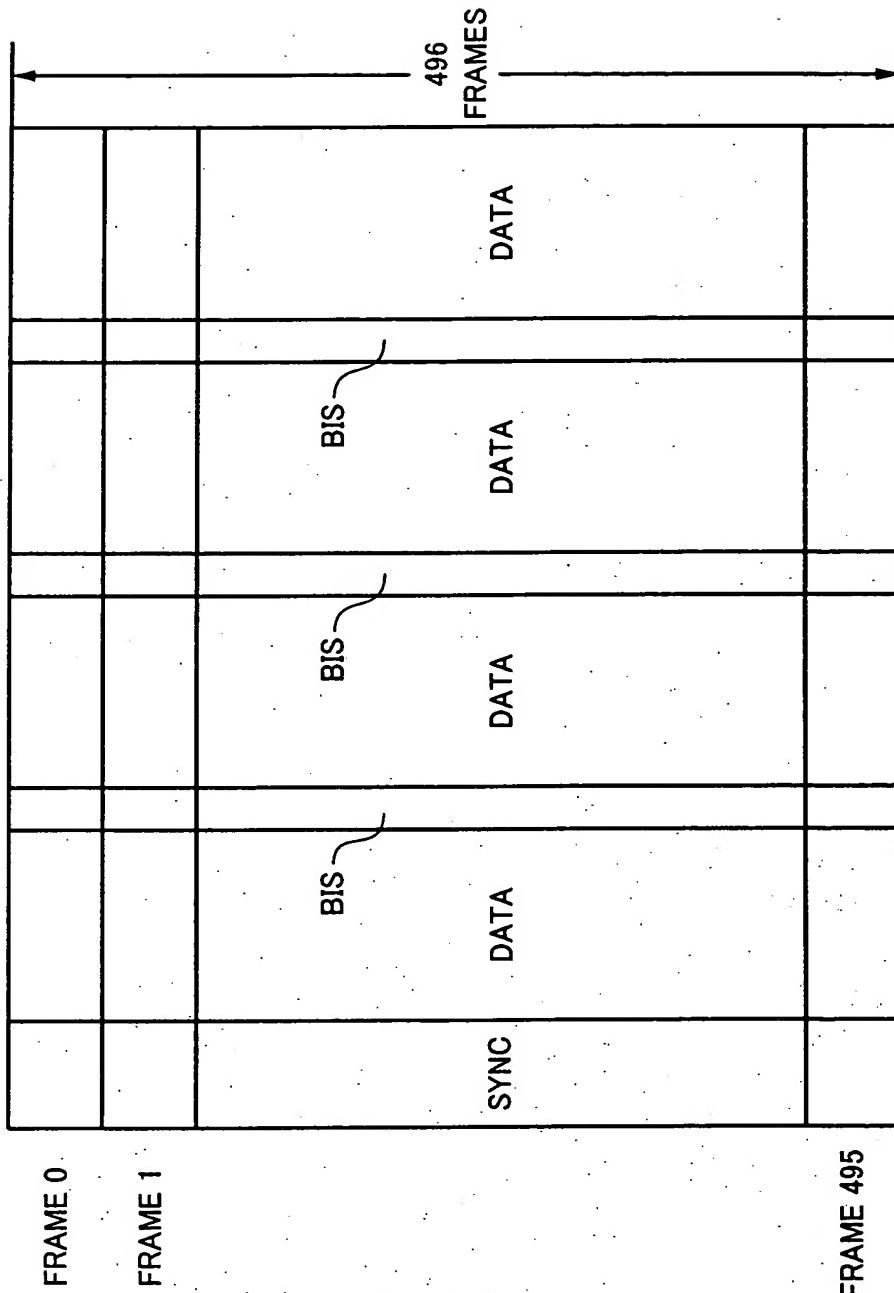
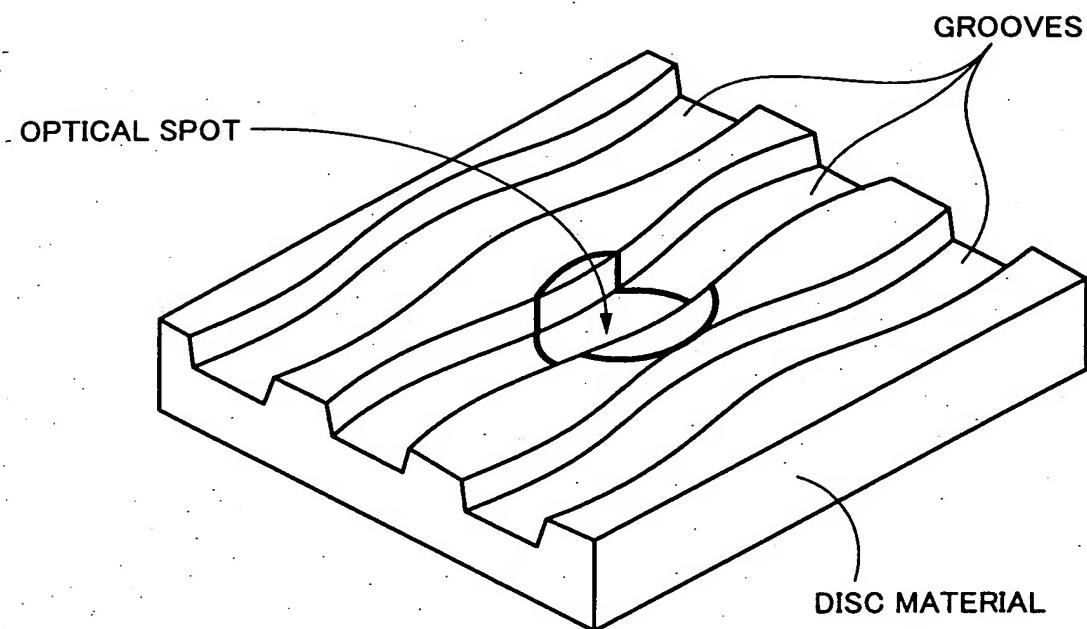


Fig. 9



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Fig. 10

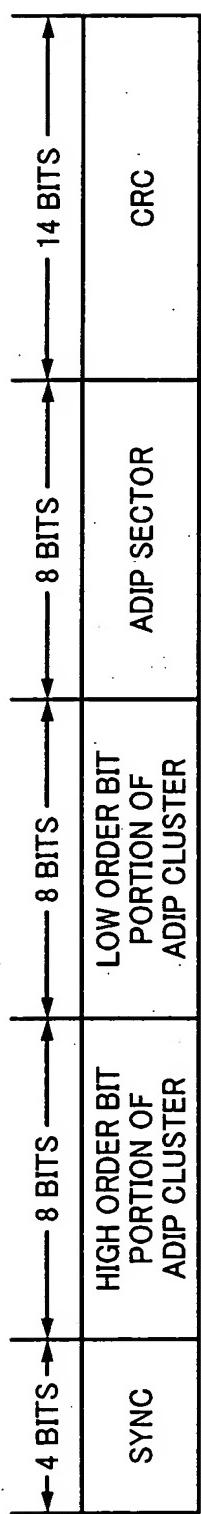
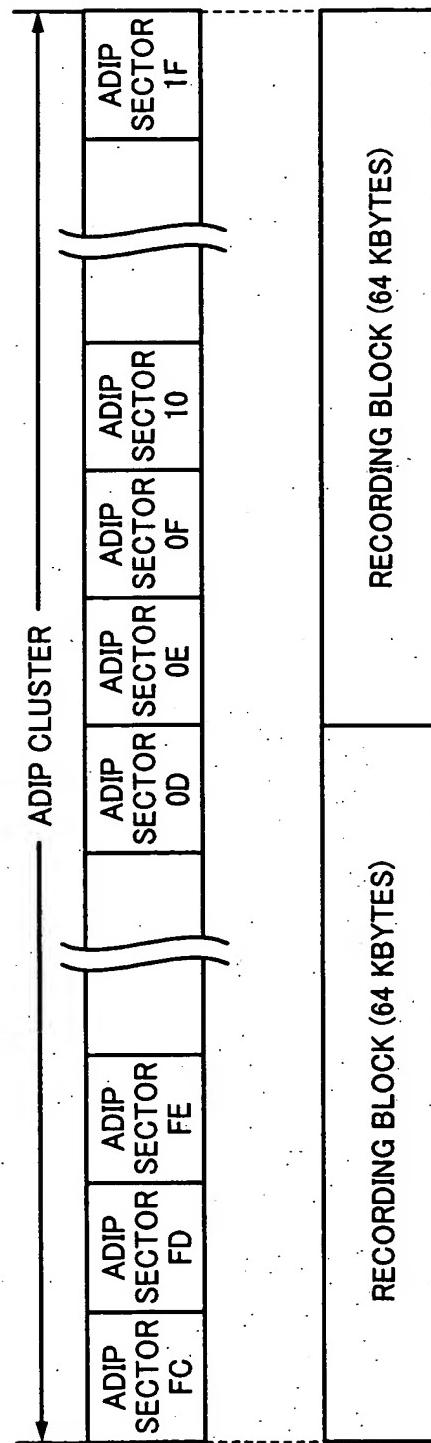
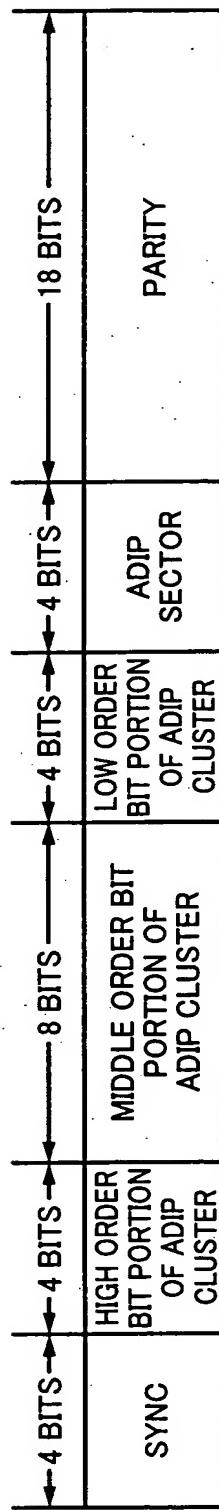


Fig. 11



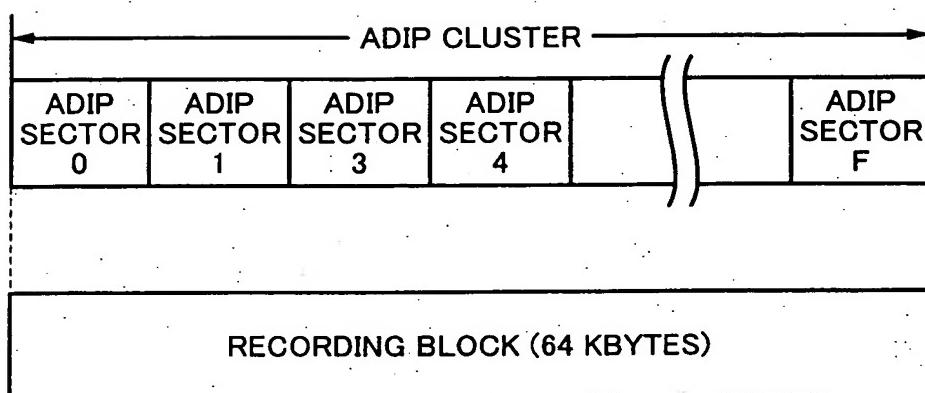
10/520253

Fig. 12



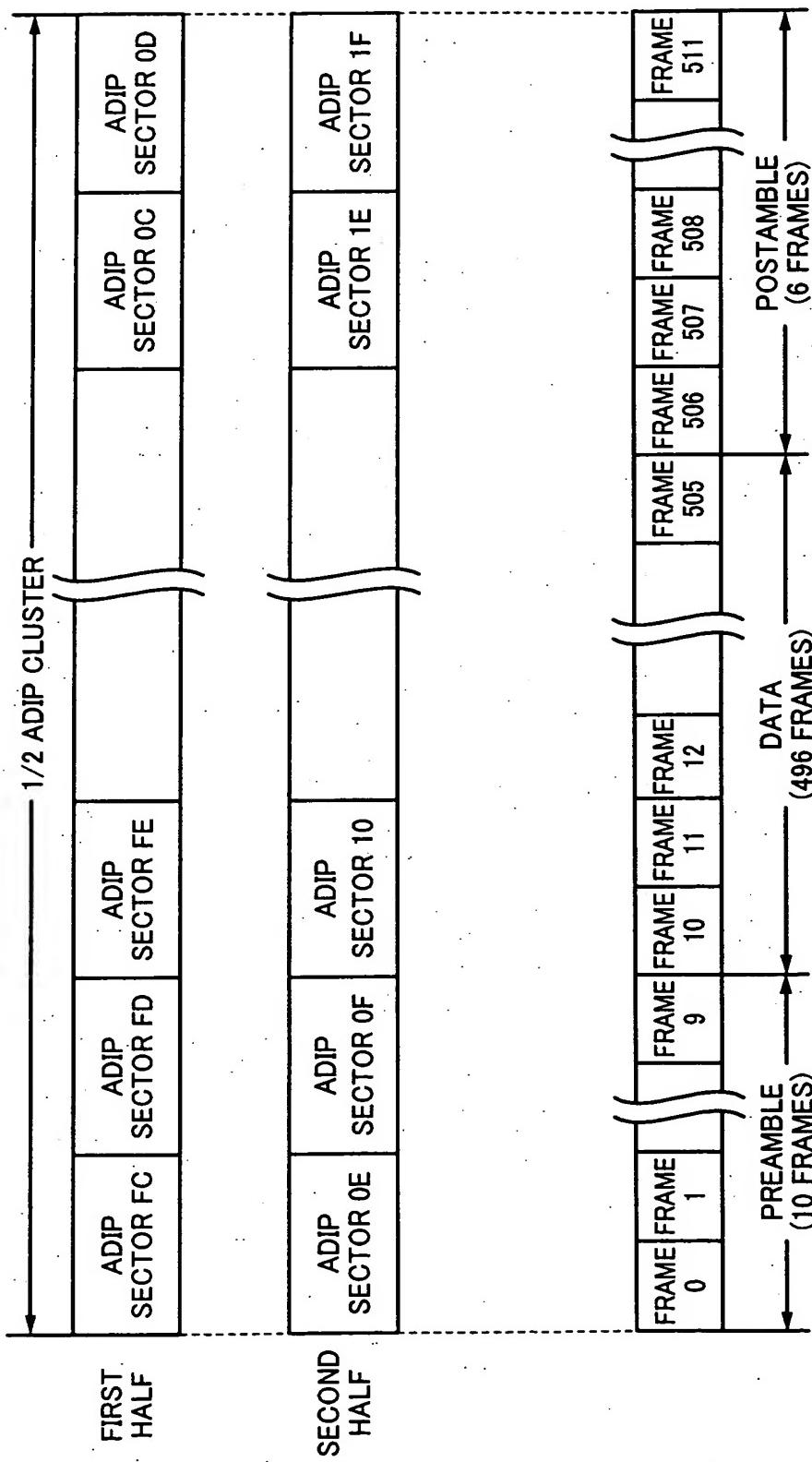
10/520253

Fig. 13



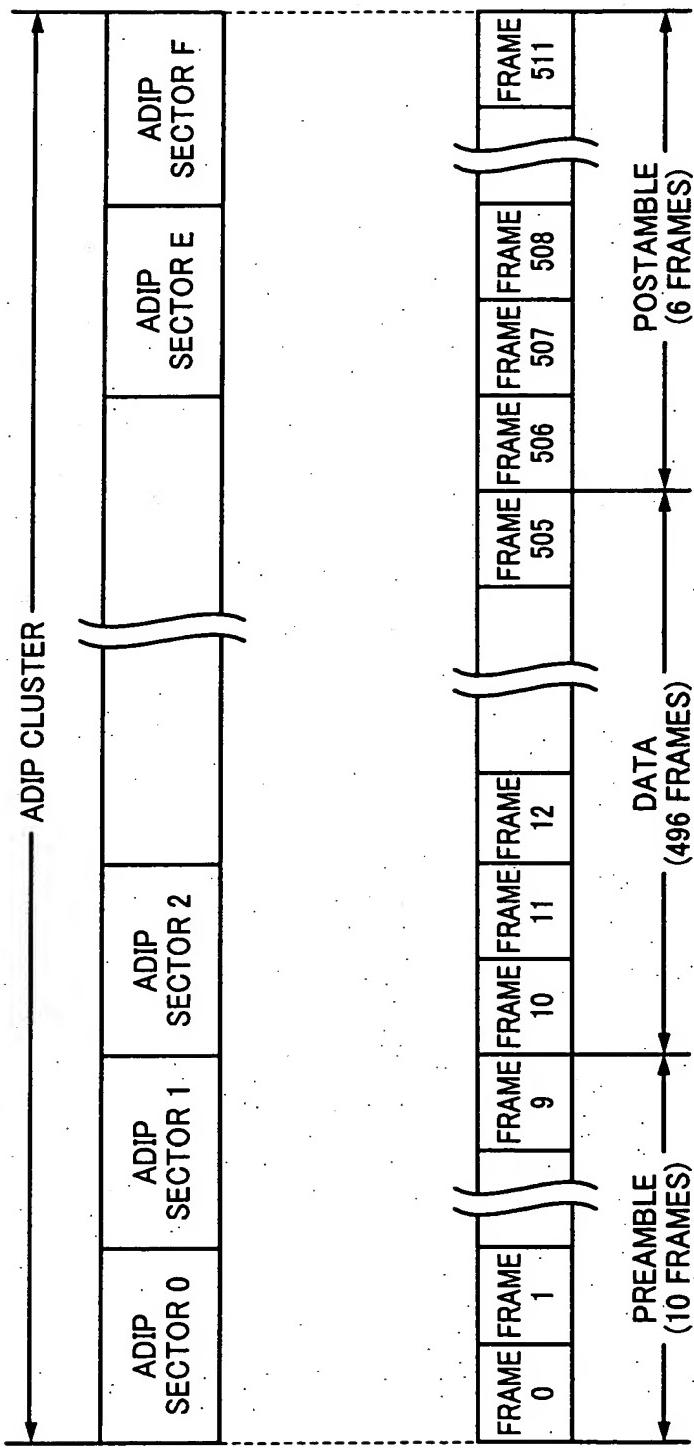
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Fig. 14



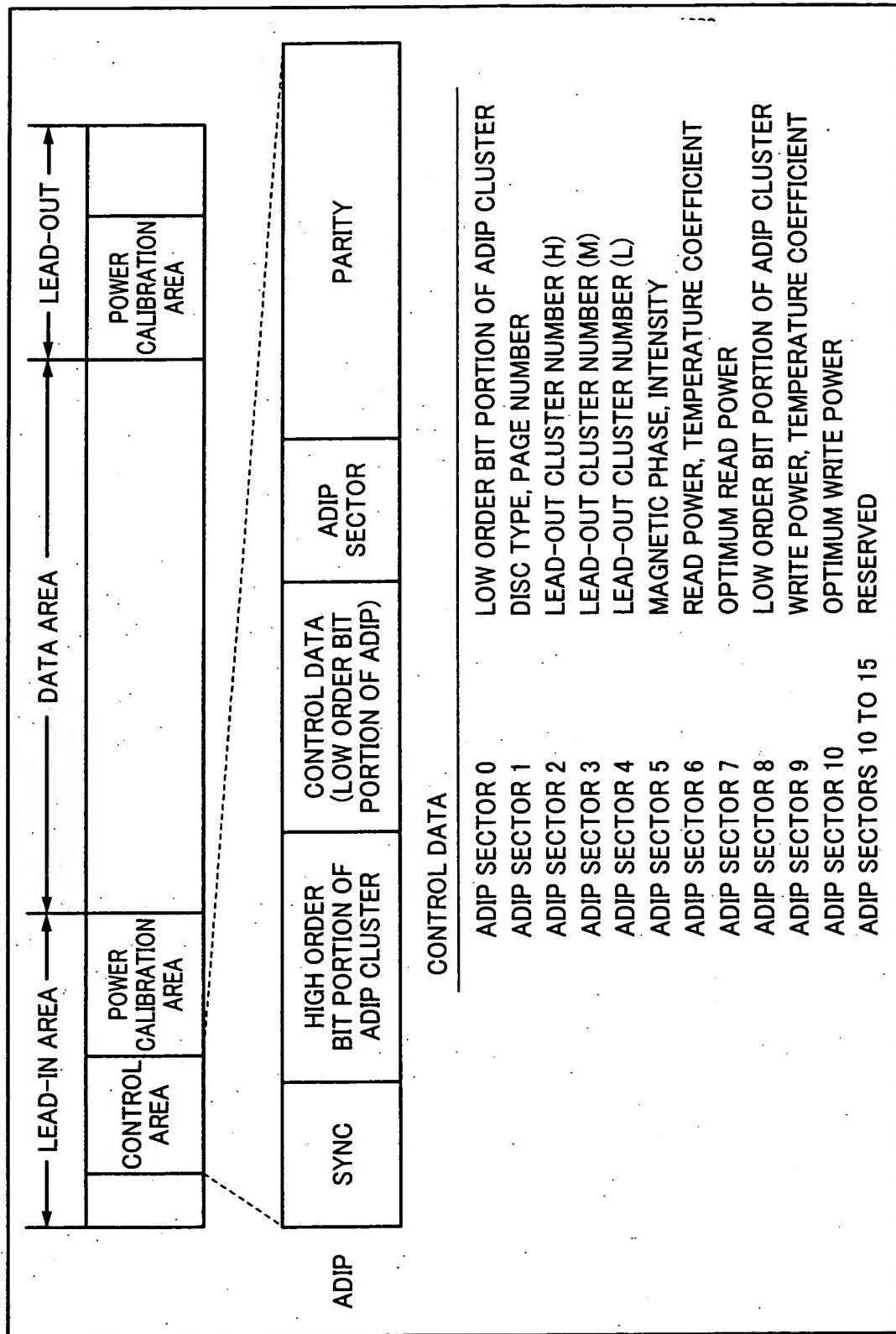
10/25/2011

Fig. 15



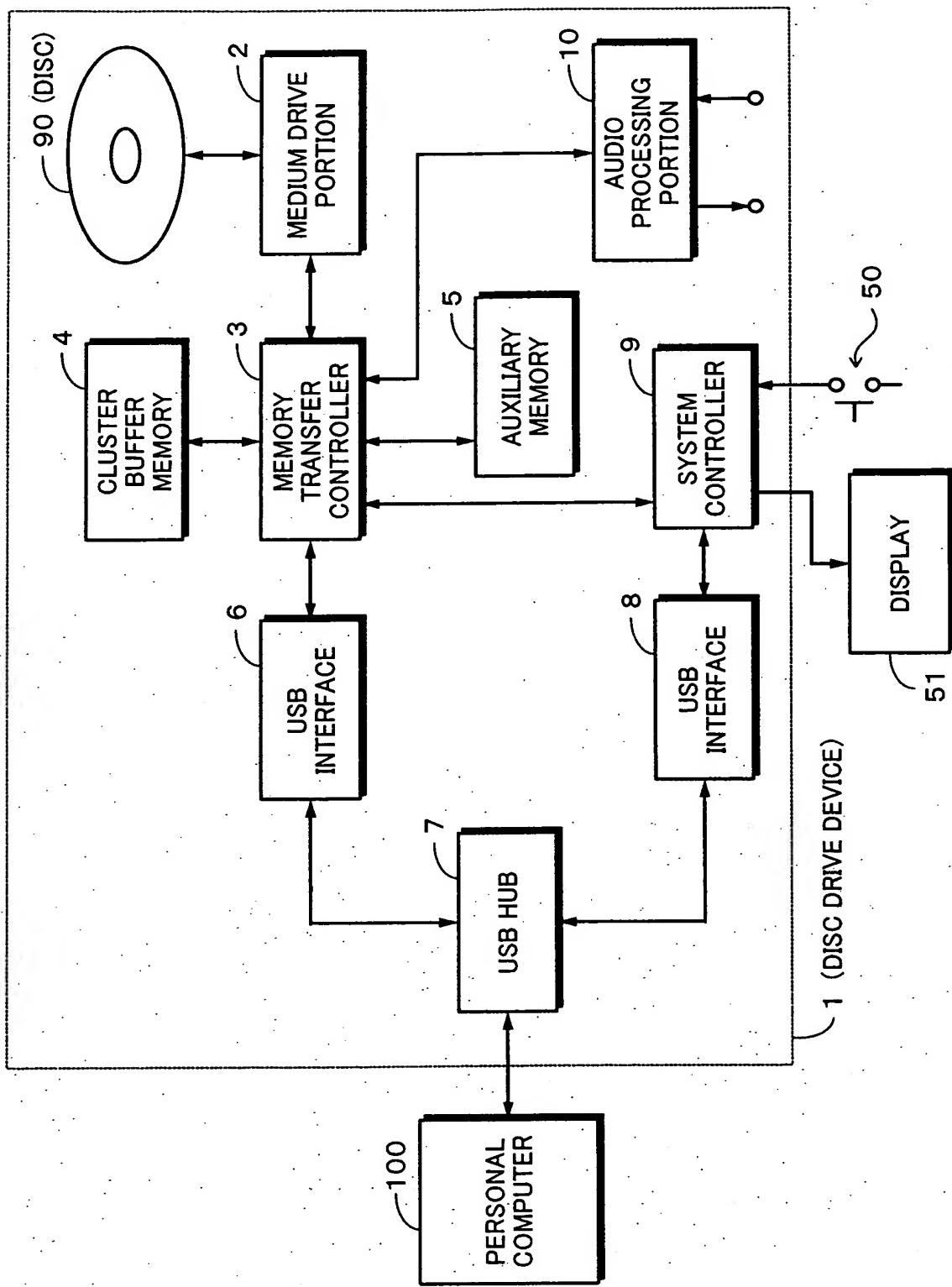
10/15/20253

Fig. 16



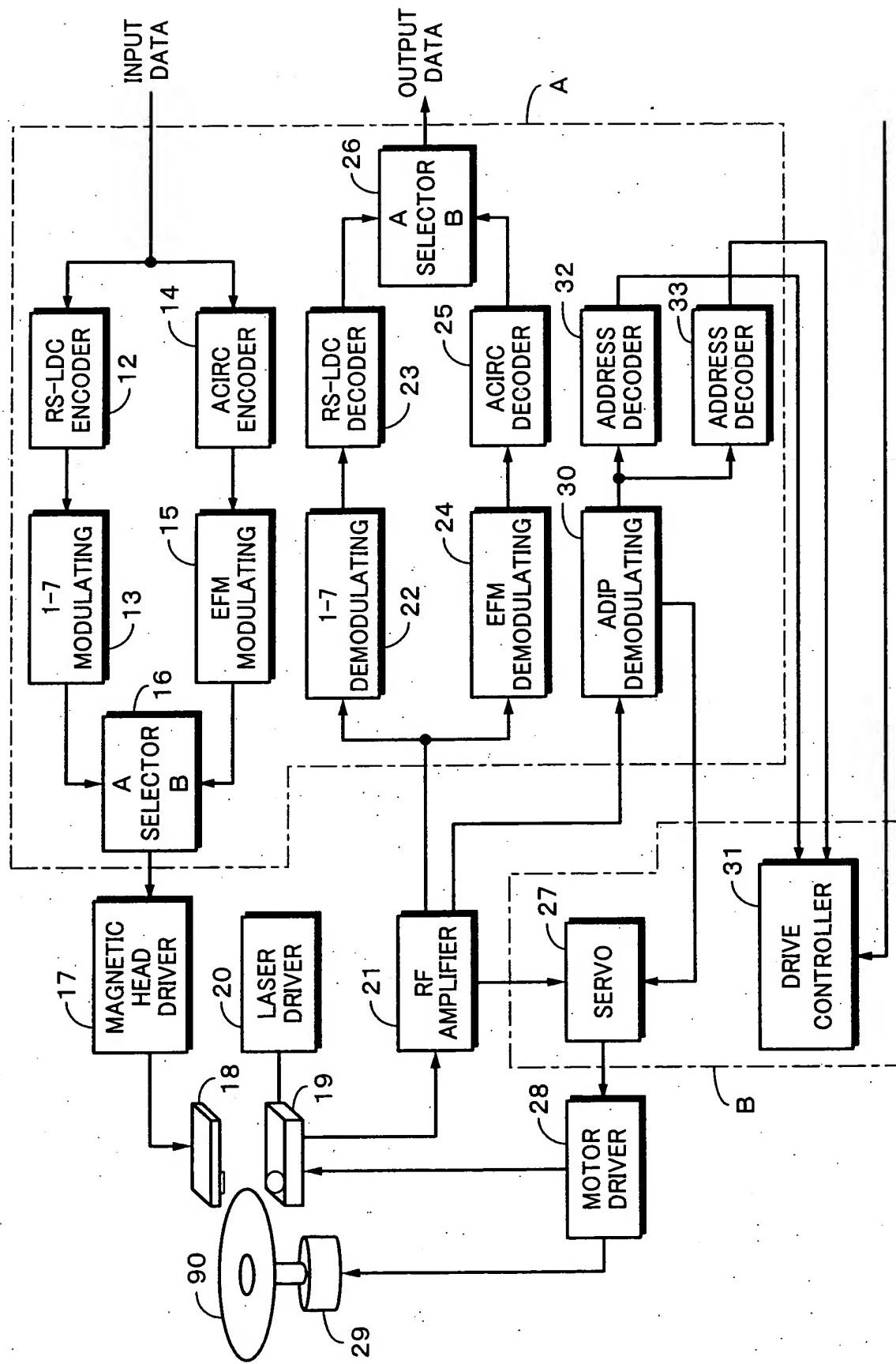
10/520253

Fig. 17



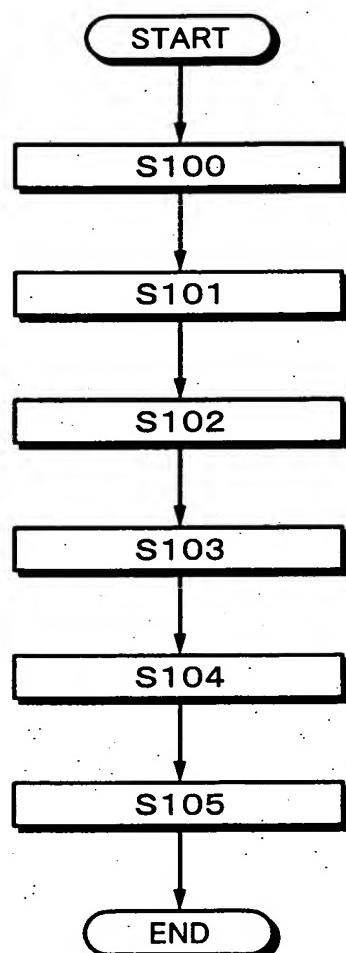
10/520253

Fig. 18



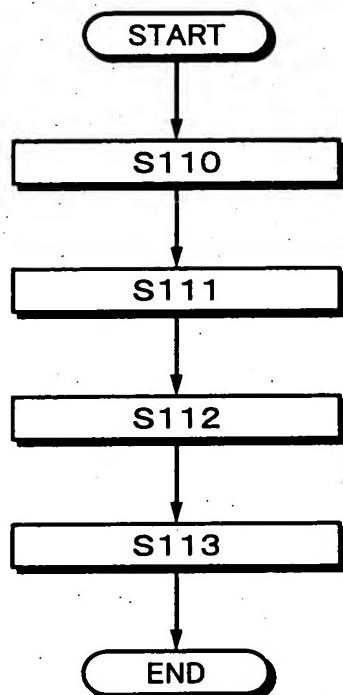
10/15/2025 3

Fig. 19



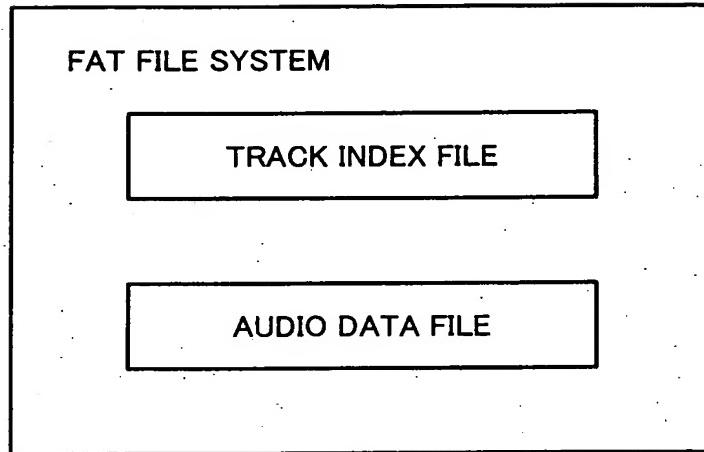
666 220253

Fig. 20



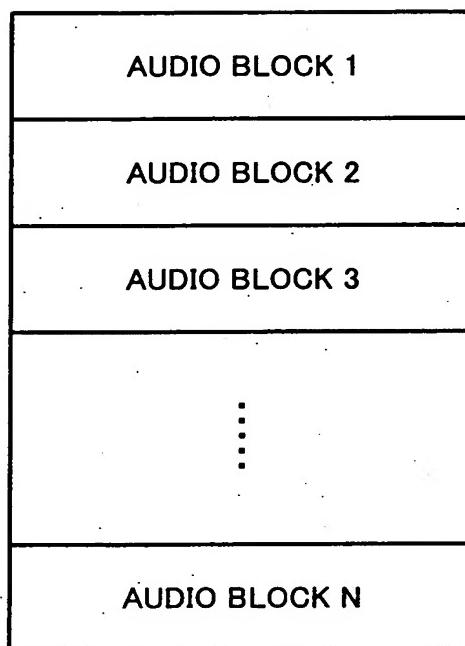
10/15/2007

Fig. 21



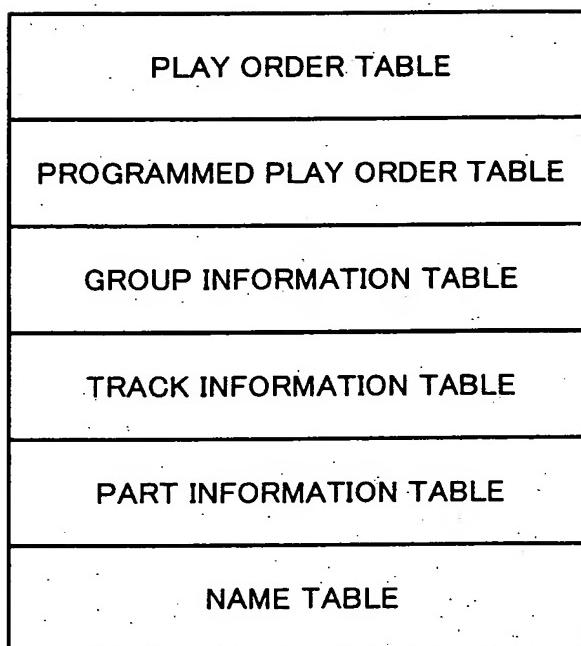
10/520253

Fig. 22



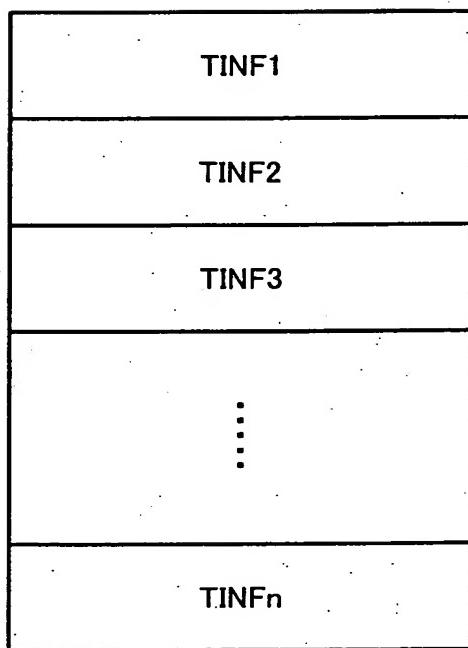
10/520253

Fig. 23



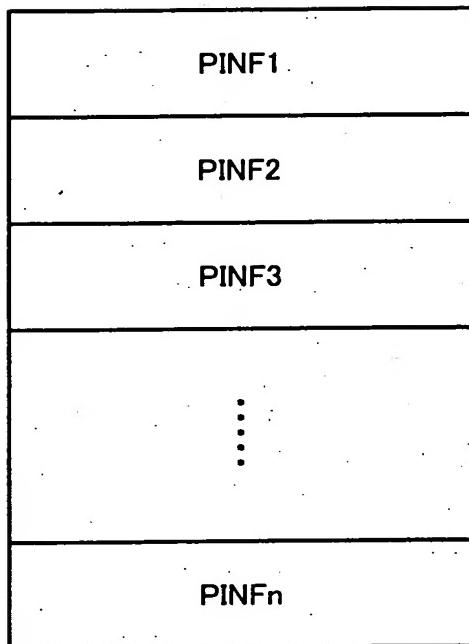
10/15/2025

Fig. 24



10/15/2001

Fig. 25



9 7 15 20 0 5 5

Fig. 26A

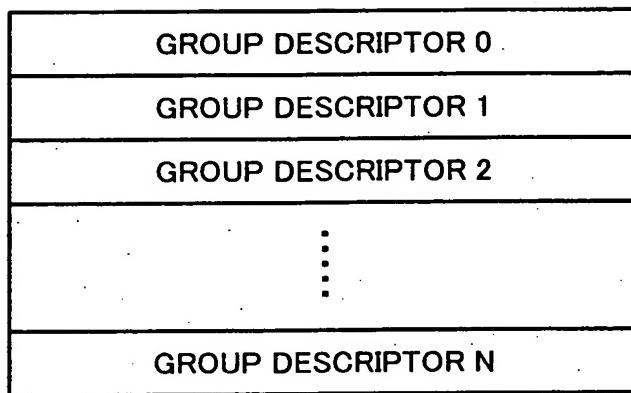


Fig. 26B

START TRACK NUMBER	END TRACK NUMBER	GROUP NAME	FLAG
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10/1520253

Fig. 27A

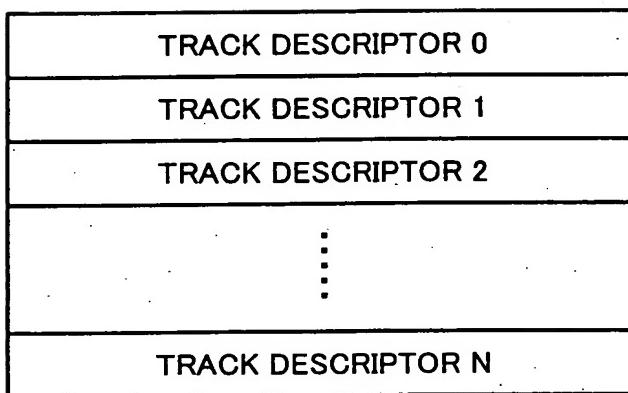


Fig. 27B

ENCODING SYSTEM		
COPYRIGHT MANAGEMENT INFORMATION		KEY INFORMATION
PART NUMBER	ARTIST NAME	TITLE
ORIGINAL SONG ORDER	RECORD DURATION	

10/520253

Fig. 28A

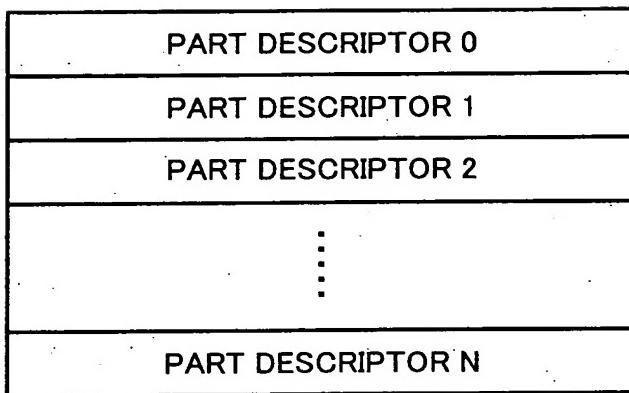


Fig. 28B



10/15/2025

Fig. 29A

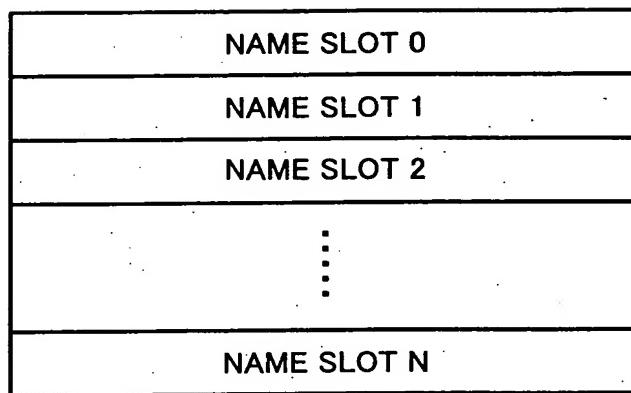
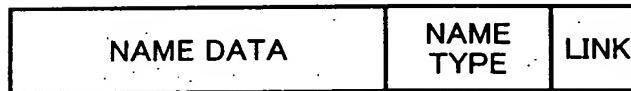


Fig. 29B



2015200000

Fig. 30

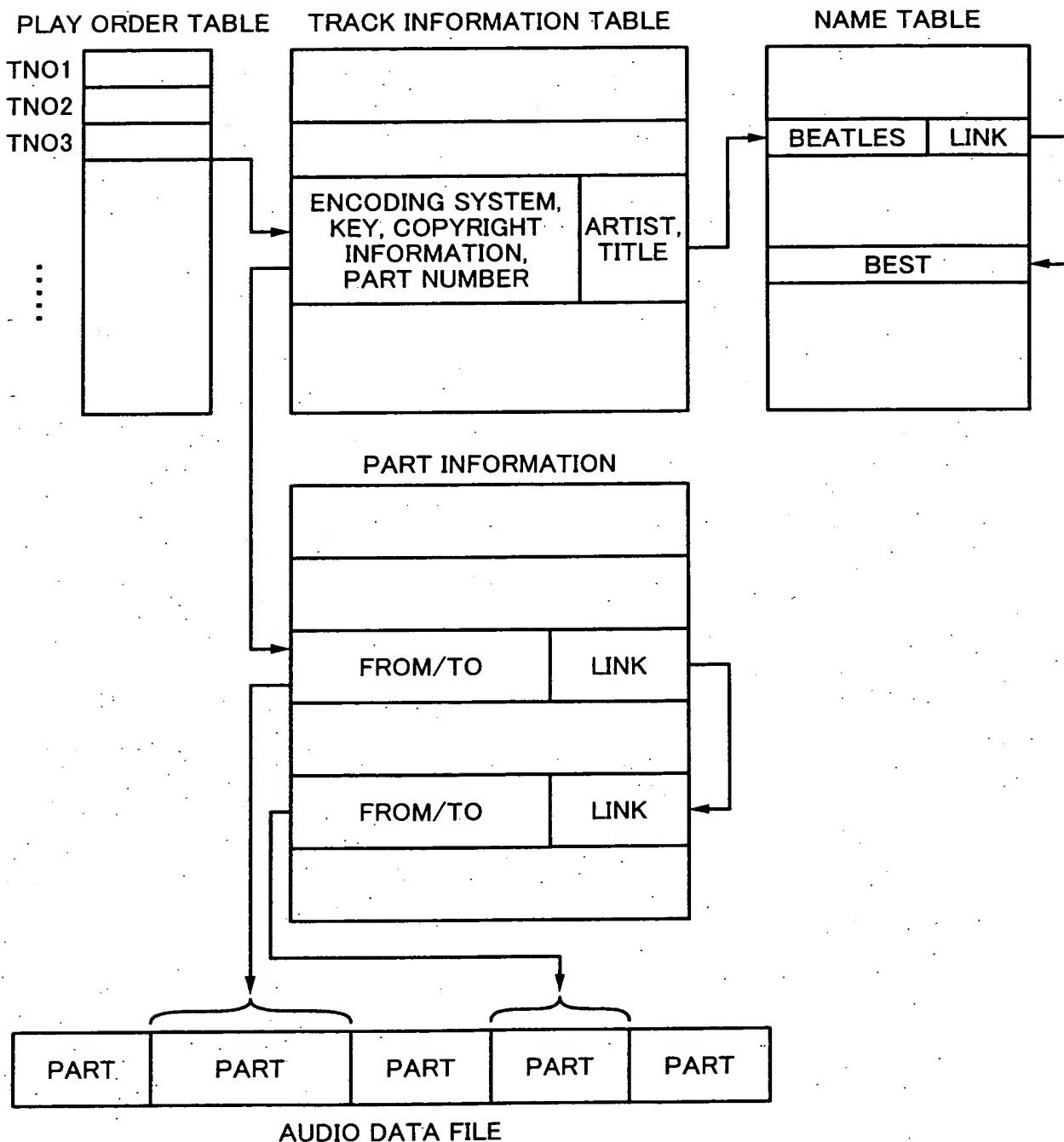
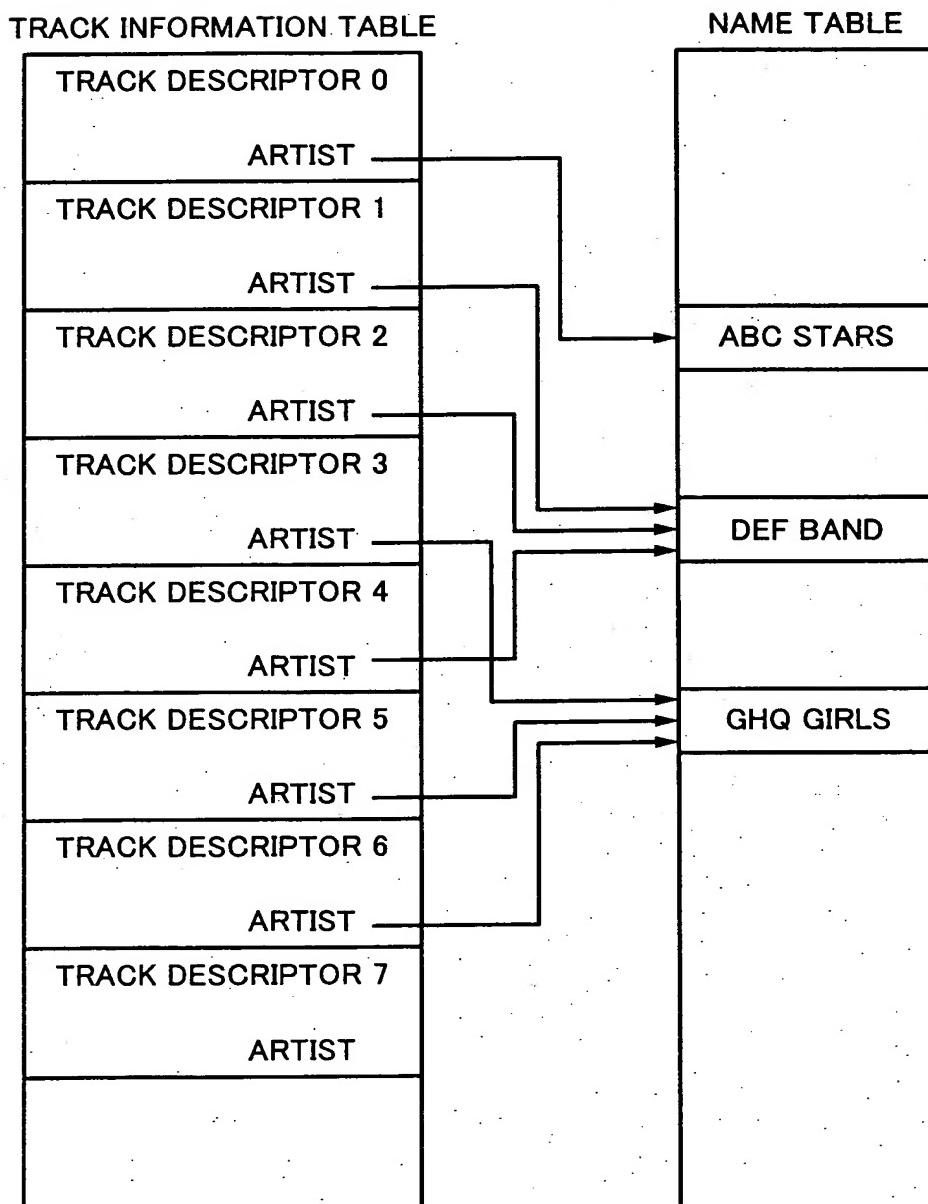


Fig. 31



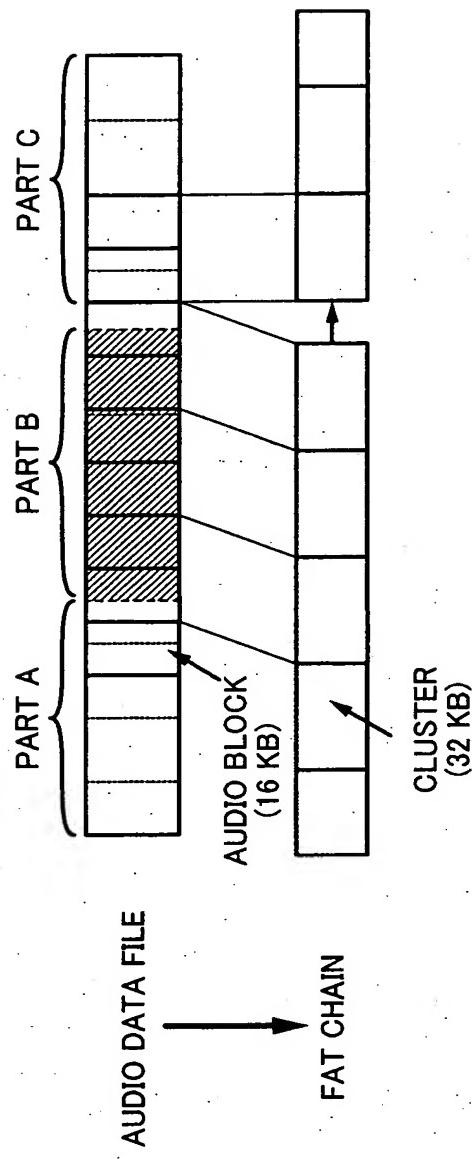


Fig. 32A

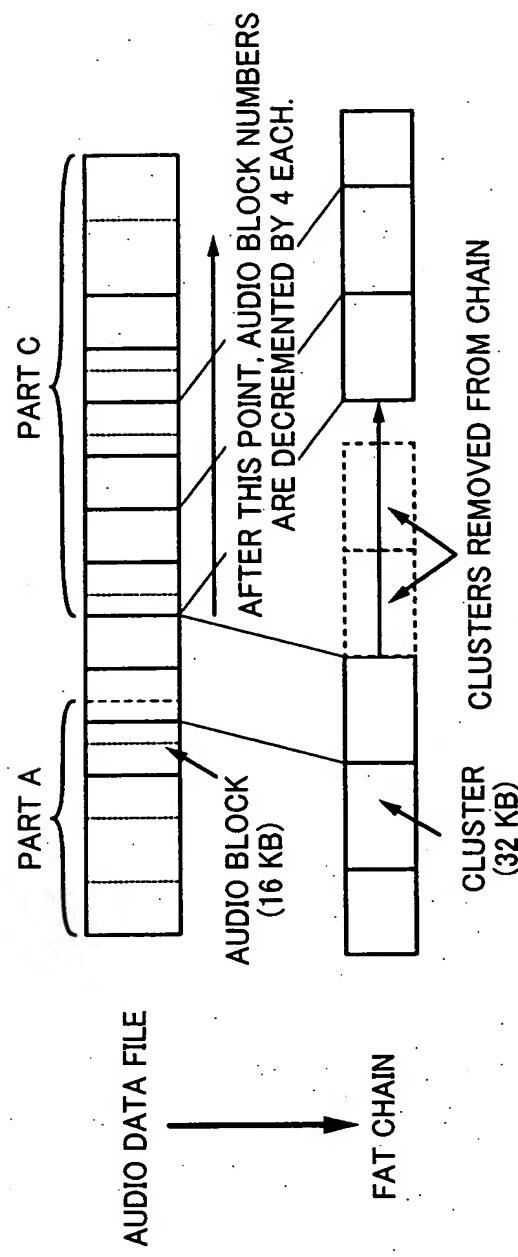
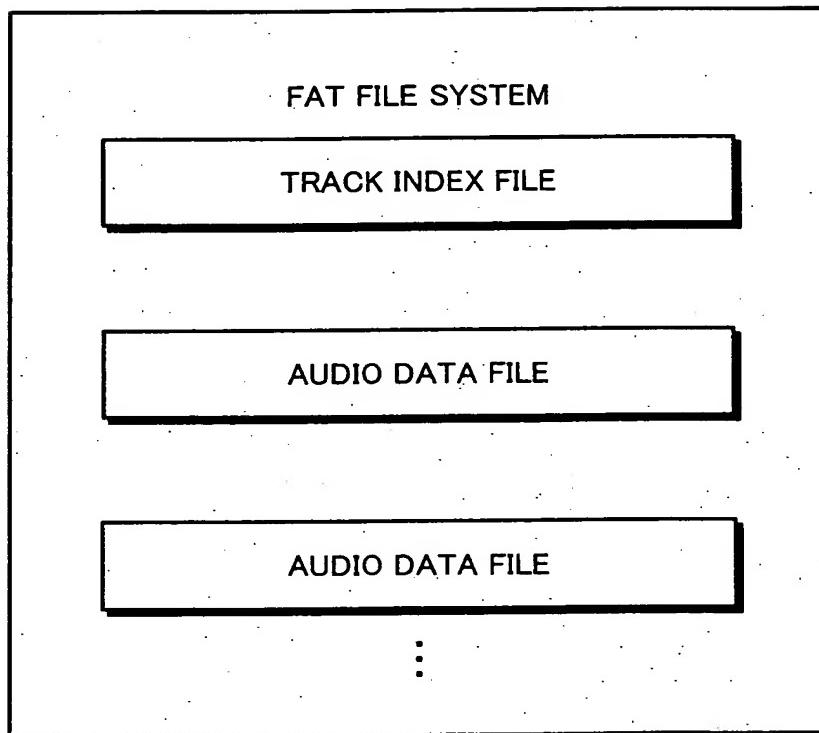


Fig. 32B

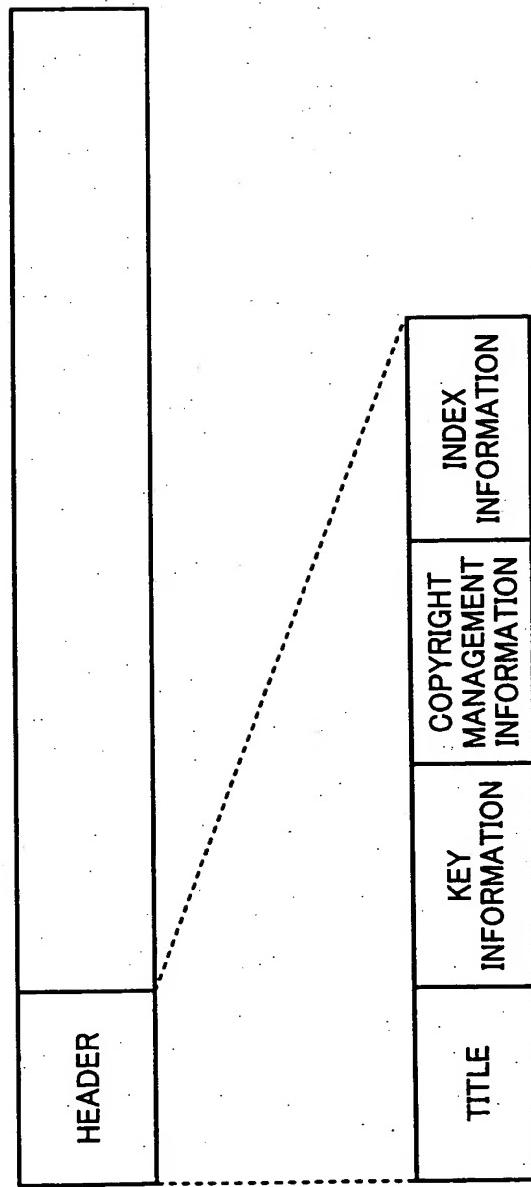
10/15/2025

Fig. 33



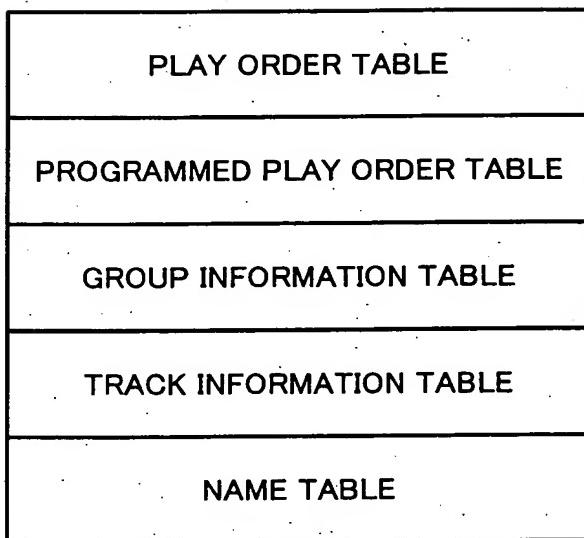
10/520253

Fig. 34



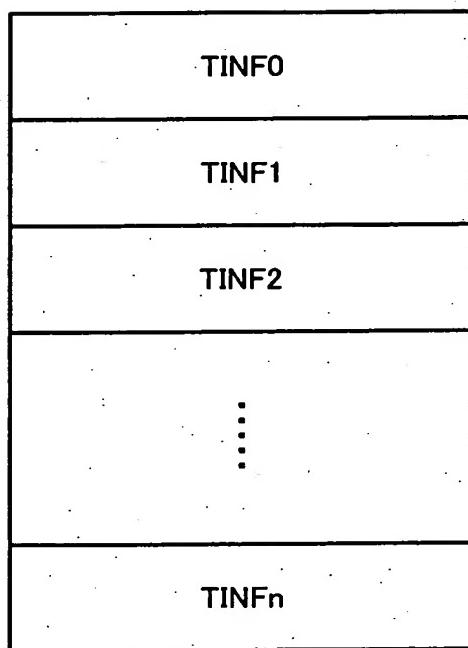
10/520253

Fig. 35



12/15 20 253

Fig. 36



2000NS 34 OF 60

Fig. 37

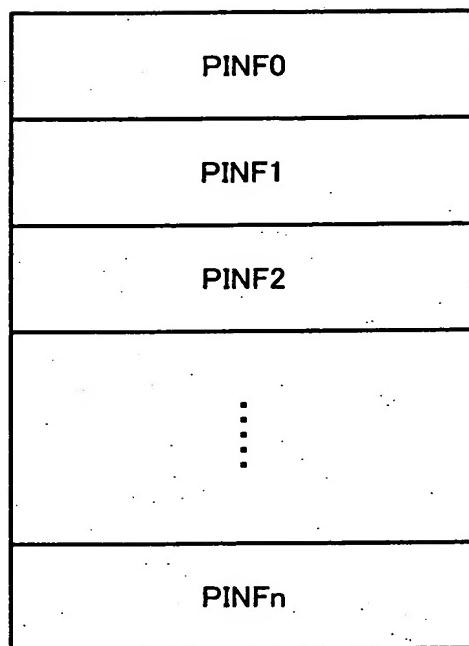


Fig. 38A

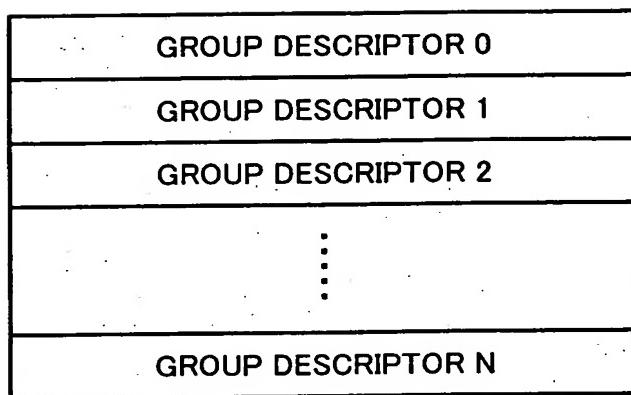
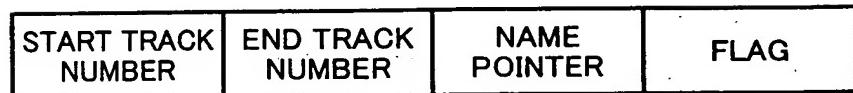


Fig. 38B



10/520253**Fig. 39A**

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
TRACK DESCRIPTOR N

Fig. 39B

ENCODING SYSTEM			
AUDIO FILE	INDEX	ARTIST NAME	TITLE
ORIGINAL SONG ORDER		RECORD DURATION	

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Fig. 40A

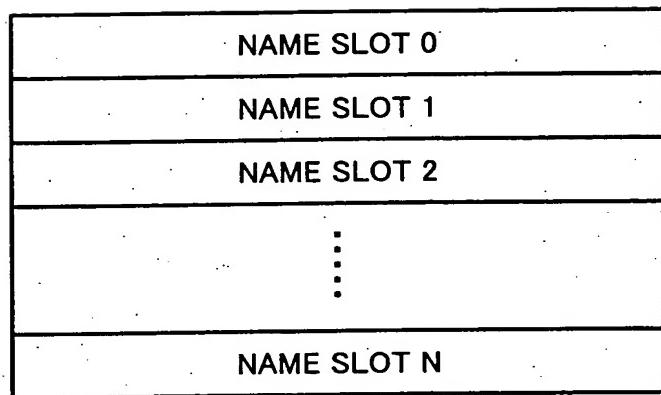
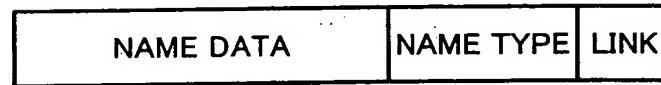
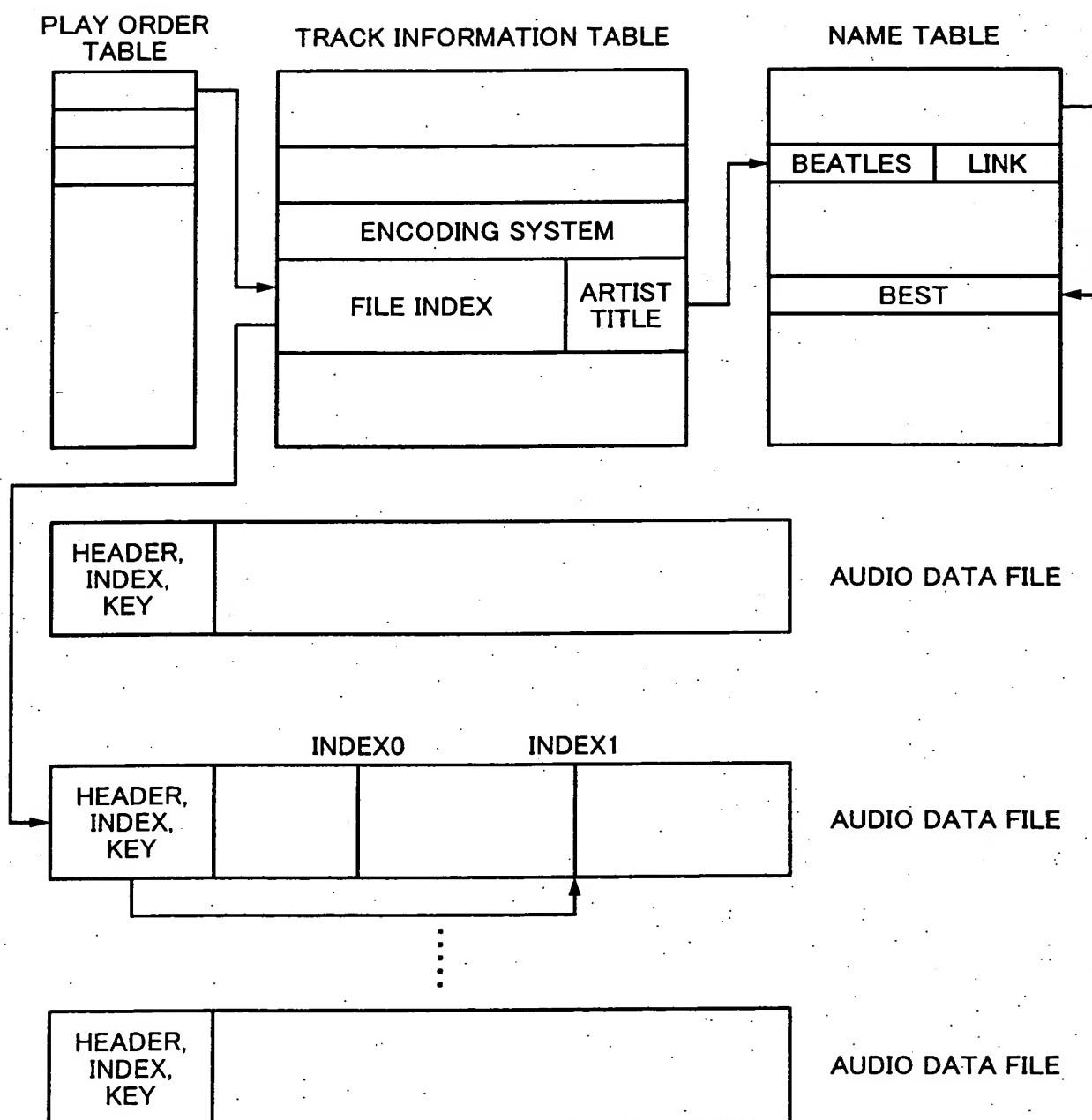


Fig. 40B



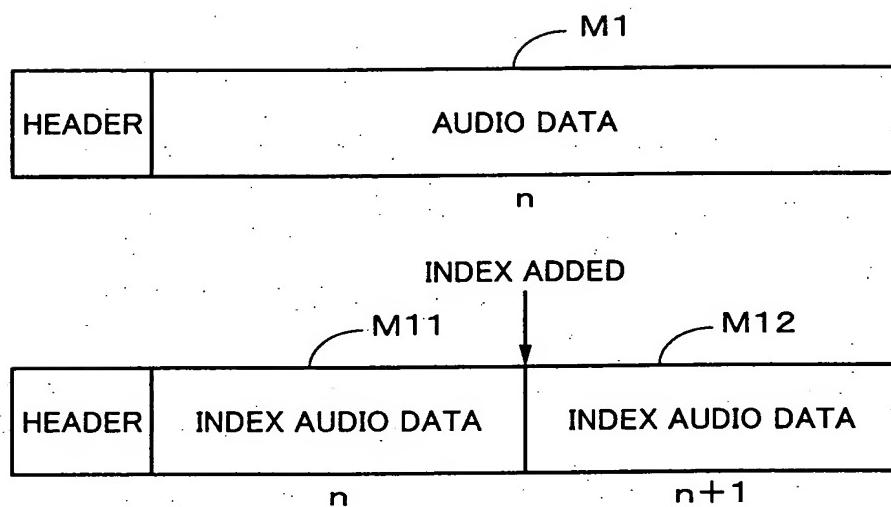
10/15/2025

Fig. 41



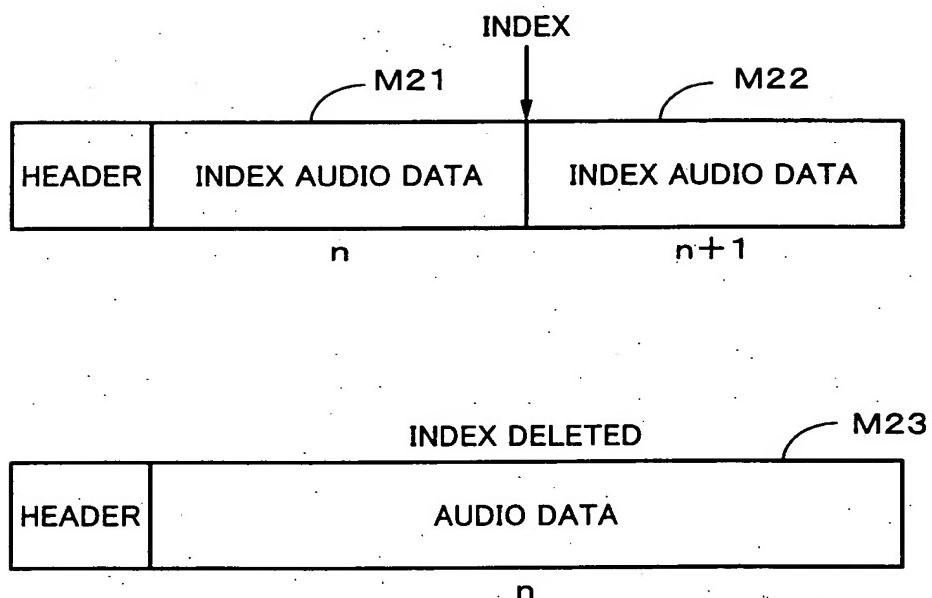
10/15/20253

Fig. 42



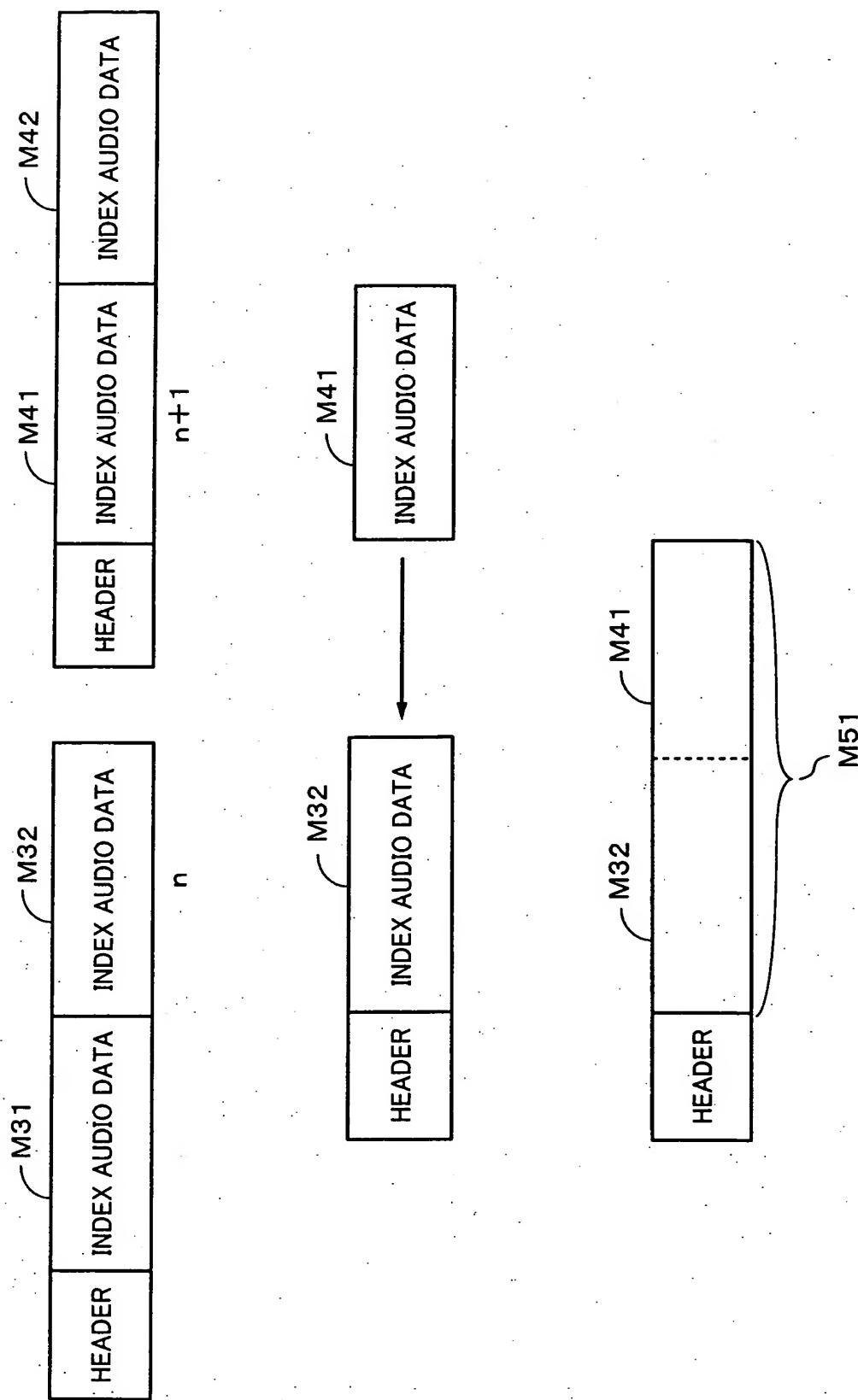
40/5020253

Fig. 43



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Fig. 44



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Fig. 45A

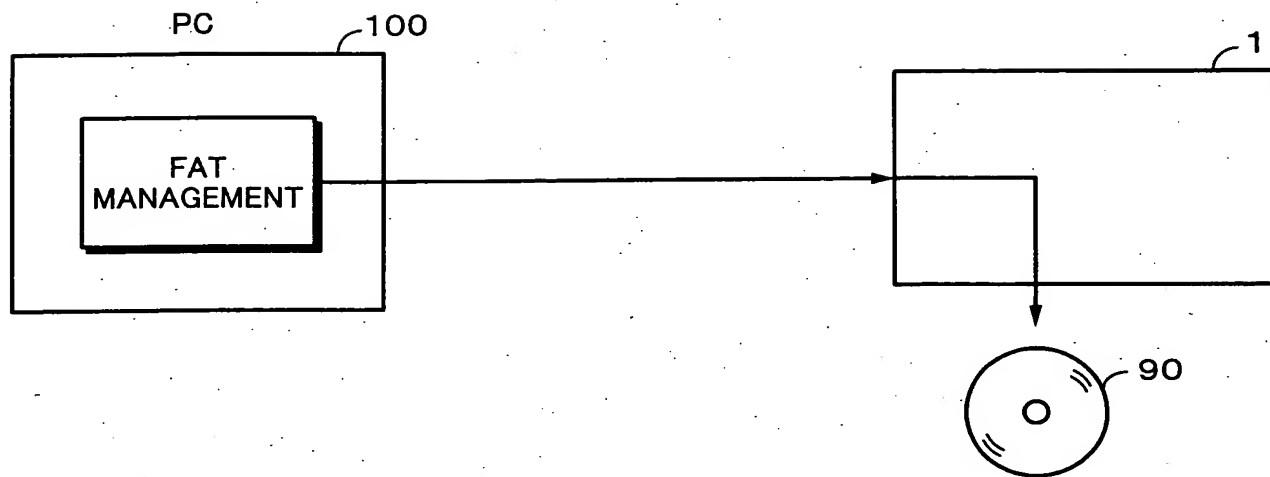
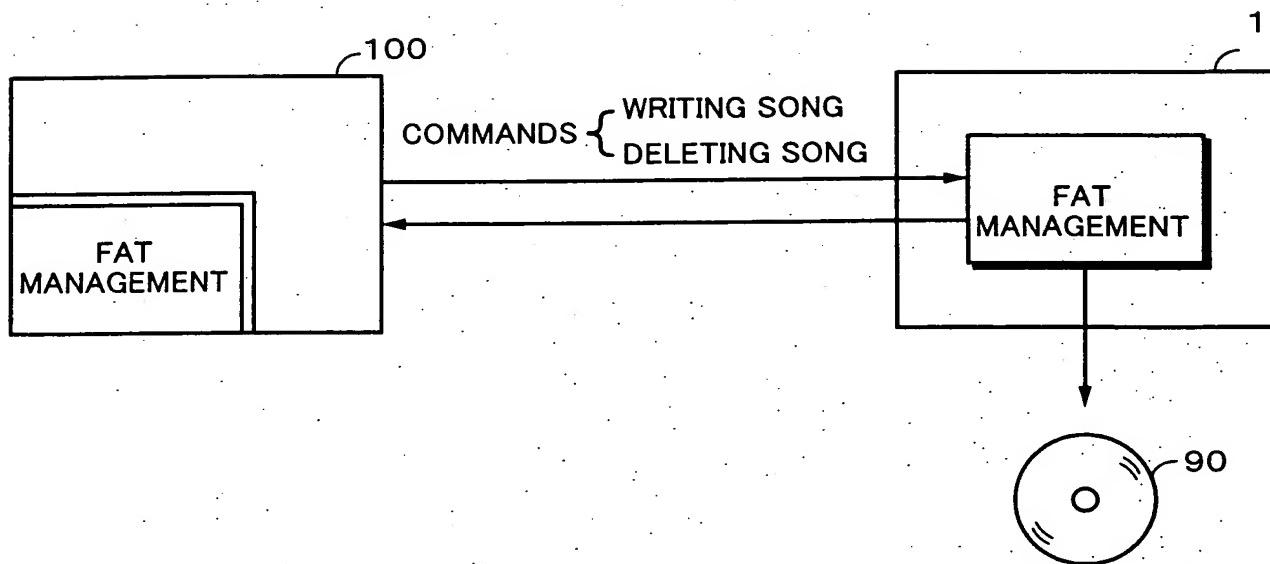
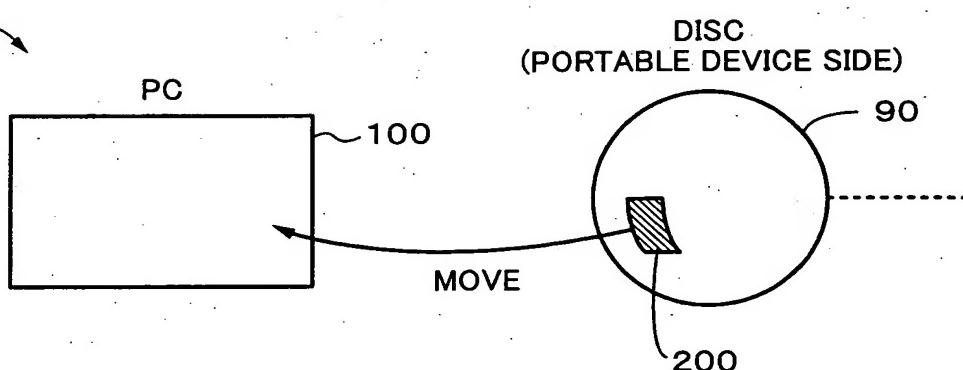
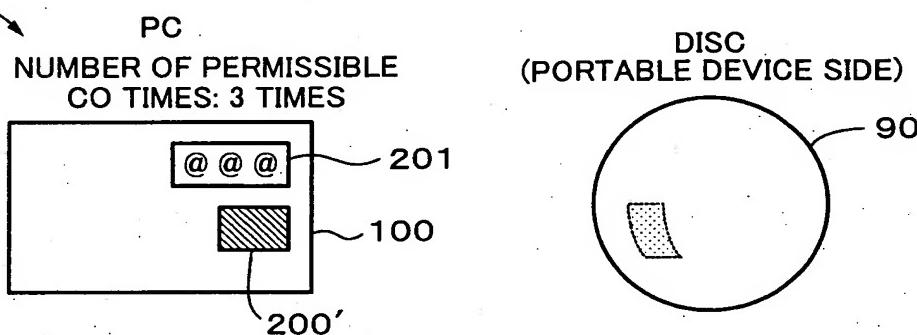
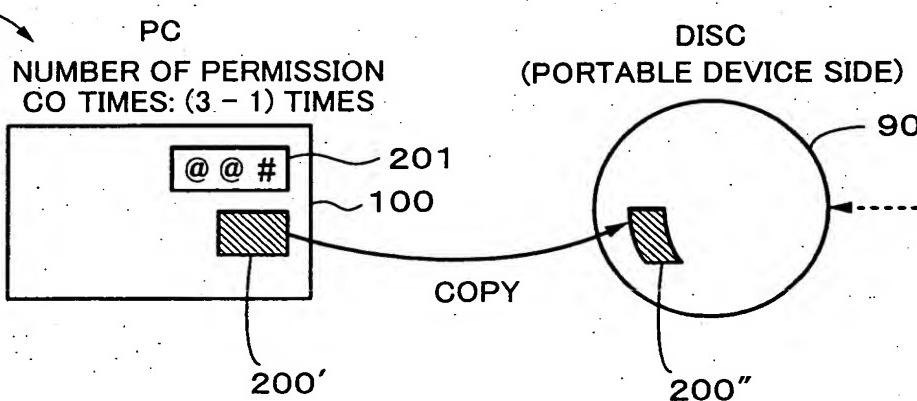


Fig. 45B

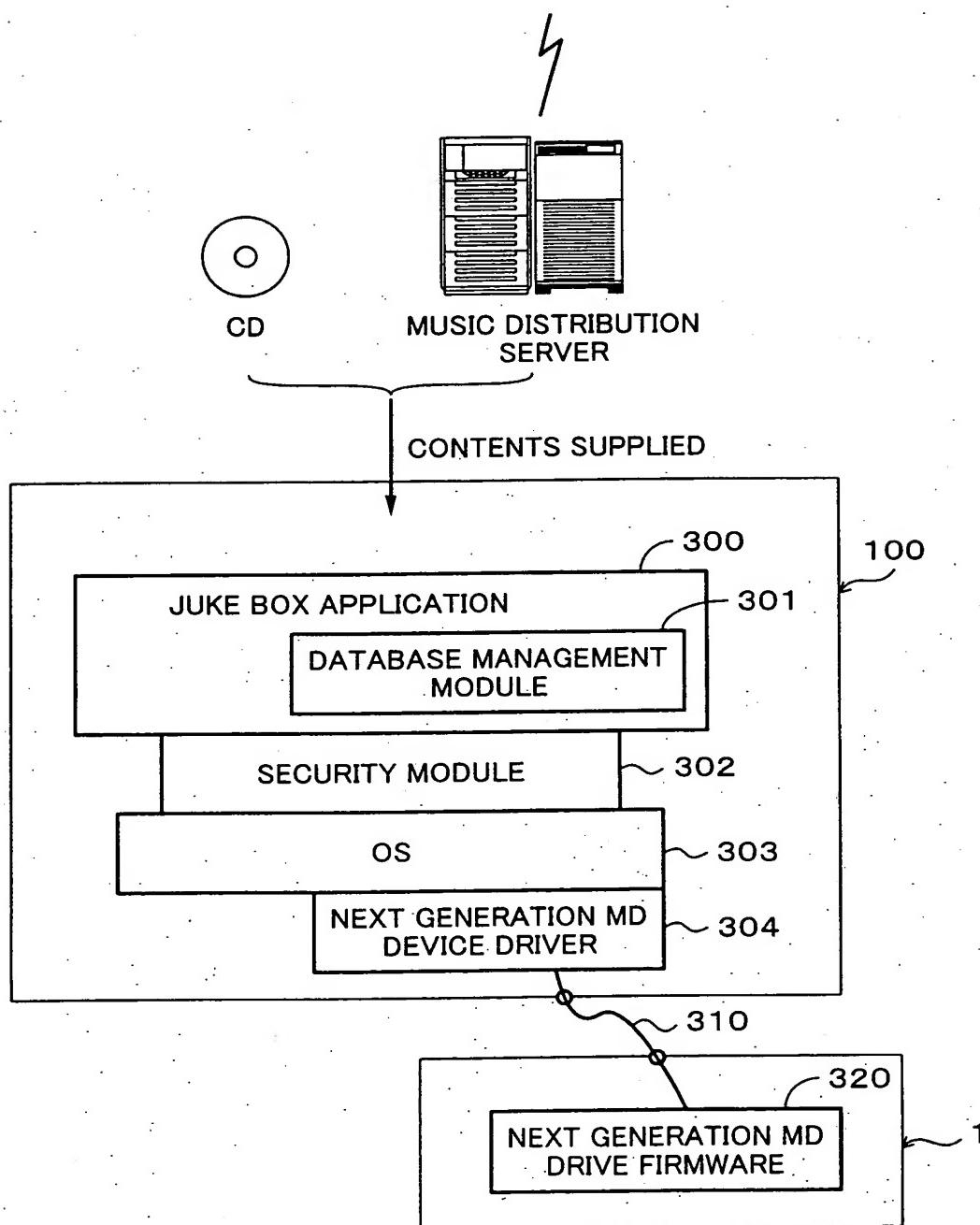


10/520253

Fig. 46**STEP A****STEP B****STEP C**

10/15/2012 2:59

Fig. 47



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Fig. 48A

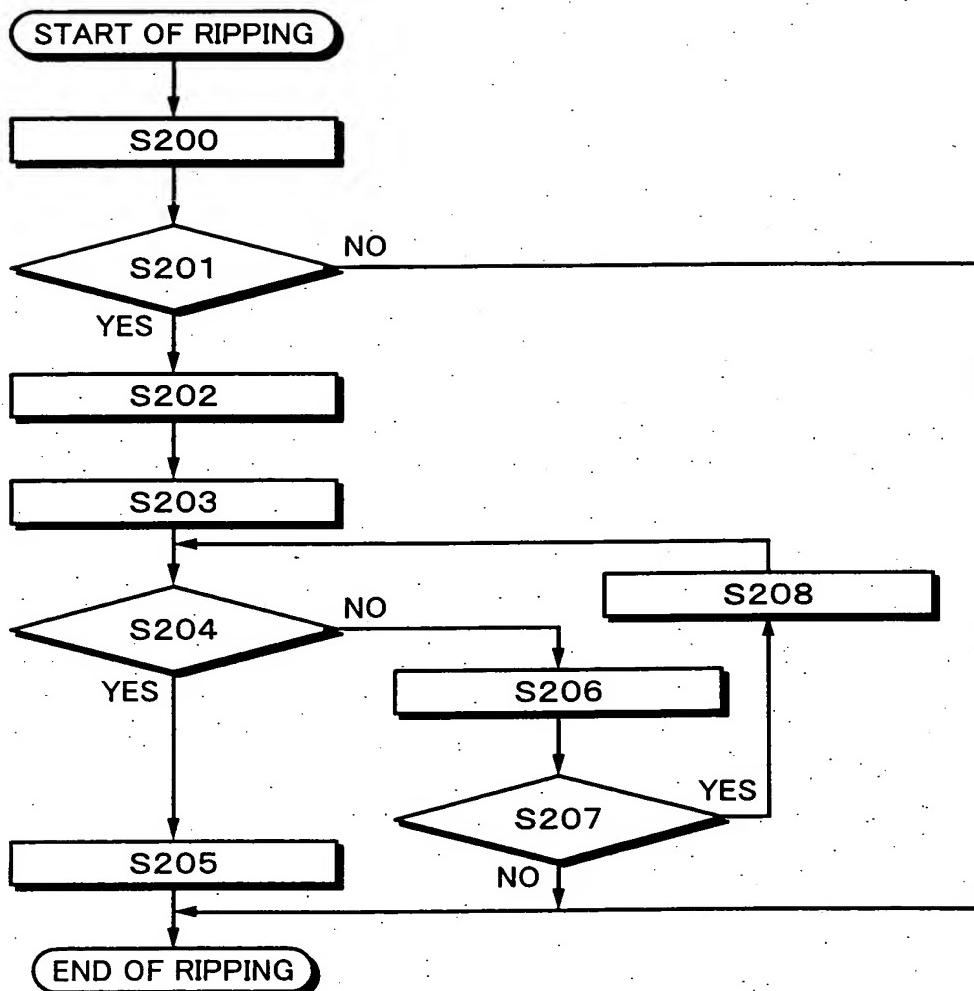
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AAAAAA	EEEEEE	aaaaaa	IIIII
BBBBBB	FFFFFF	bbbbbb	JJJJJJ
CCCCCC	GGGGGG	cccccc	KKKKKK
DDDDDD	HHHHHH	ddddd	LLLLLL

Fig. 48B

CONTENT ID	DISC ID	SIZE	NUMBER OF PERMISSIBLE CO TIMES
NNNNN	AAAAAA	eeeeee	3
OOOOO	AAAAAA	ffffff	2
PPPPP	BBBBBB	gggggg	2
QQQQQ	CCCCCC	hhhhh	3
RRRRR	CCCCCC	iiiii	1
SSSSS	DDDDDD	jjjjj	0
TTTTT	BBBBBB	kkkkk	2

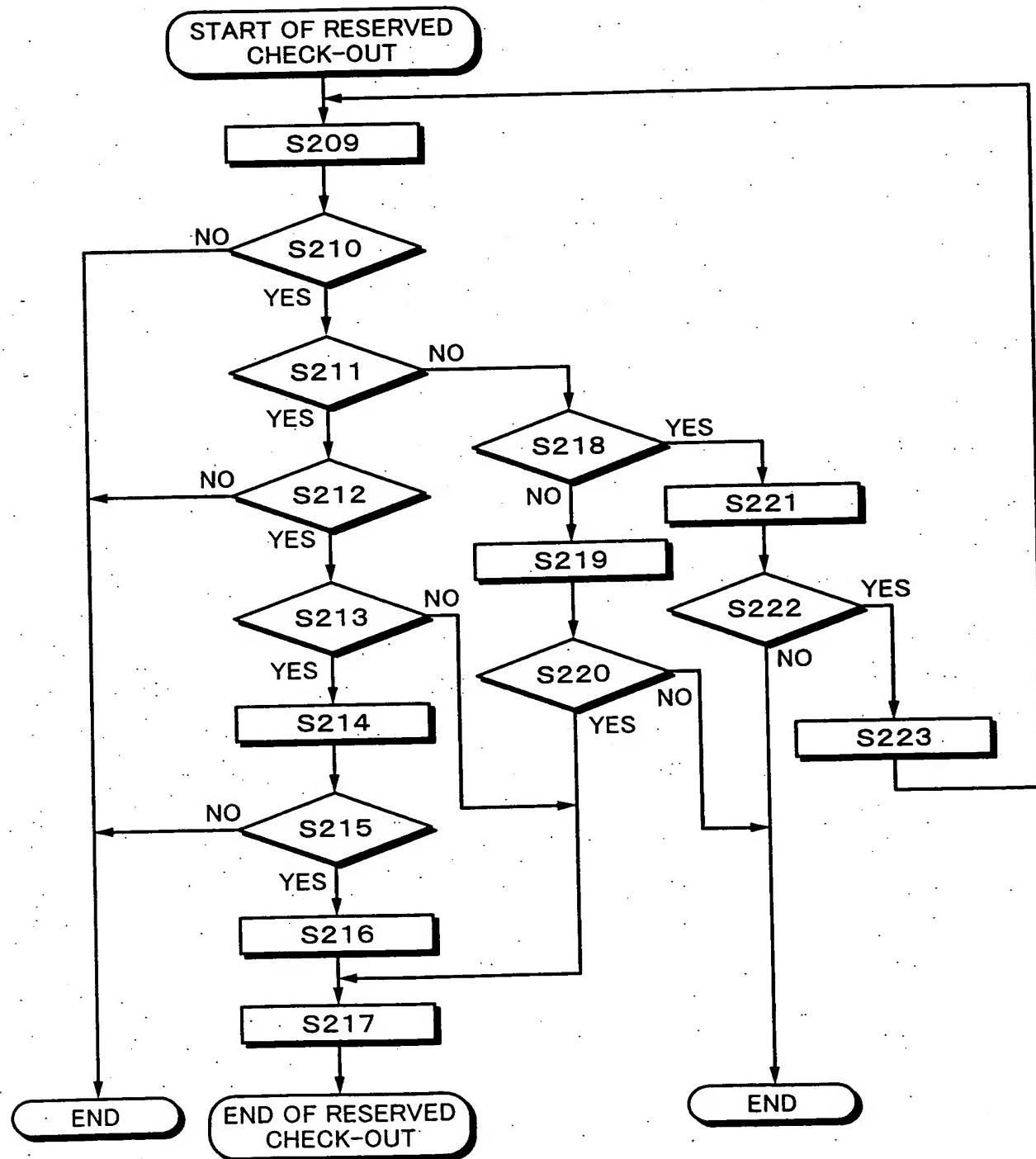
10/520253

Fig. 49



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Fig. 50



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DESCRIPTION OF REFERENCE NUMERALS

- 1 DISC DRIVE DEVICE
- 2 MEDIUM DRIVE PORTION
- 3 MEMORY TRANSFER CONTROLLER
- 4 CLUSTER BUFFER MEMORY
- 5 AUXILIARY MEMORY
- 6, 8 USB INTERFACE
- 7 USB HUB
- 10 AUDIO PROCESSING PORTION
- 12 RS-LDC ENCODER
- 13 1-7 pp MODULATING PORTION
- 14 ACIRC ENCODER
- 15 EFM MODULATING PORTION
- 16 SELECTOR
- 17 MAGNETIC HEAD DRIVER
- 18 MAGNETIC HEAD
- 19 OPTICAL HEAD
- 22 1-7 DEMODULATING PORTION
- 23 RS-LDC DECODER
- 24 EFM DEMODULATING PORTION
- 25 ACIRC DECODER
- 26 SELECTOR
- 30 ADIP DEMODULATING PORTION
- 32, 33 ADDRESS DECODER
- 50 SWITCH

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90 DISC
100 PERSONAL COMPUTER
300 JUKE BOX APPLICATION
301 DATABASE MANAGEMENT MODULE
302 SECURITY MODULE
S100 CHECK UID.
S101 RECORD UTOC.
S102 RECORD ALERT TRACK.
S103 RECORD DDT.
S104 RECORD UNIQUE ID.
S105 RECORD FAT AND SO FORTH.
S110 CHECK UID.
S112 UNIQUE ID
S111 RECORD DDT.
S113 RECORD FAT AND SO FORTH.
S200 ASK USER WHETHER OR NOT TO RESERVE CHECK-OUT.
S201 WILL USER RESERVE CHECK-OUT ?
S202 ASK DISC ID DATABASE.
S203 DESIGNATE DISC FOR WHICH CHECK-OUT IS RESERVED.
S204 IS REMAINING CAPACITY SUFFICIENT ?
S205 RESERVE CHECK-OUT.
S206 ASK USER WHETHER OR NOT TO RESERVE CHECK-IN.
S207 WILL USER RESERVE CHECK-IN ?
S208 RESERVE CHECK-IN.
S209 ASK WHETHER OR NOT TO PERFORM CHECK-OUT.

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- S210 WILL USER PERFORM CHECK-OUT ?
- S211 HAS DISC ID OF DISK LOADED INTO FD BEEN REGISTERED IN DISC ID DATABASE ?
- S212 DOES ID OF DISC LOADED IN PD MATCH ID OF RESERVED DISC ?
- S213 HAS CHECK-IN BEEN RESERVED ?
- S214 ASK WHETHER OR NOT TO PERFORM CHECK-IN.
- S215 WILL USER PERFORM CHECK-IN ?
- S216 PERFORM CHECK-IN.
- S217 PERFORM CHECK-OUT.
- S218 DOES DISC LOADED IN PD CONTAIN SONG ?
- S219 DETERMINE THAT DISC IS BLANK DISC AND REGISTER INFORMATION THEREABOUT TO DATABASE.
- S220 HAS CHECK-OUT FOR NEW DISC BEEN RESERVED ?
- S221 DETERMINE THAT DISC IS NON-REGISTERED DISC AND ASK WHETHER OR NOT TO REGISTER DISC.
- S222 WILL USER REGISTER DISC ID ?
- S223 REGISTER NON-REGISTERED DISC.